

## EAST Search History

| Ref # | Hits | Search Query                                                                                                                                                                                  | DBs                                                | Default Operator | Plurals | Time Stamp          |
|-------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------|---------|---------------------|
| L5    | 2    | (heldesjo magnus).in.                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND              | ON      | 2009/02/26<br>11:23 |
| L6    | 1    | (lundback daniel).in.                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND              | ON      | 2009/02/26<br>11:23 |
| S1    | 3    | (("3954188") or<br>("5193658") or<br>("5839322")).PN.                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/10/29<br>11:57 |
| S2    | 22   | ("1721524"   "3012447"<br>  "3178001"   "3405562"<br>  "3662610"   "4166543"<br>  "4466307"   "4664587"<br>  "4762459"   "5064340"<br>  "5178512"<br>  "5220849").PN. OR<br>("5839322").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                       | AND              | ON      | 2008/10/29<br>11:59 |
| S3    | 9    | ("3954188"   "4514136"<br>  "4606667"   "4816955"<br>  "4934504").PN. OR<br>("5193658").URPN.                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR                       | AND              | ON      | 2008/10/29<br>12:03 |
| S4    | 15   | ("3080840"   "3840128"<br>  "3870164").PN. OR<br>("3954188").URPN.                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR                       | AND              | ON      | 2008/10/29<br>12:05 |
| S5    | 10   | ("1170157"   "3717231"<br>  "3885678"   "3954188"<br>  "4191301"  <br>"4295555").PN. OR<br>("4828094").URPN.                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR                       | AND              | ON      | 2008/10/29<br>12:06 |
| S7    | 1400 | (robot\$2 arm).ti.                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND              | ON      | 2008/10/29<br>13:14 |

|     |      |                                                                                                                                             |                                                    |     |     |                     |
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| S8  | 150  | S7 stop                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/10/29<br>13:14 |
| S9  | 248  | (74/490.01).OCLS.                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/10/29<br>13:35 |
| S10 | 74   | (74/490.02).OCLS.                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/10/29<br>14:18 |
| S11 | 157  | (74/490.05).OCLS.                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/10/29<br>14:59 |
| S13 | 13   | ("3682327"   "3885678"<br>"4015721"   "4113115"<br>"4264266"   "4293268"<br>"4299532"   "4319864"<br>"4409792").PN. OR<br>("4514136").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                       | AND | ON  | 2008/11/05<br>14:49 |
| S17 | 5402 | (robot\$3 with arm)<br>((angle or angular or<br>rotary or rotation) with<br>(stop\$3 or limit\$3 or<br>prevent\$3))                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/05<br>15:14 |
| S19 | 5407 | (robot\$3 with arm)<br>((angle or angular or<br>rotary or rotation) with<br>(stop\$3 or limit\$3 or<br>prevent\$3))                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/06<br>10:11 |
| S20 | 263  | S19 ((optional or<br>plurality) with stop\$3)                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/06<br>10:11 |
| S21 | 1768 | (74/526).OCLS.                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/11/06<br>10:24 |

|     |       |                                                            |                                                    |     |     |                     |
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| S22 | 6     | S21 robot\$2 arm                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/06<br>10:24 |
| S23 | 10    | S21 robot\$2                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/06<br>10:25 |
| S24 | 996   | (74/469).OCLS.                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/11/06<br>10:26 |
| S25 | 2755  | (74/527).OCLS.                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/11/06<br>10:27 |
| S26 | 47    | (S24 or S25) robot\$2                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/06<br>10:27 |
| S27 | 1401  | (robot\$2 arm).ti.                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/06<br>10:32 |
| S28 | 14105 | robot\$2 ((angle or range) with (limit\$3 or restrict\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:48 |
| S29 | 7047  | S28 stop\$4                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:49 |
| S30 | 5300  | S29 degree                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:49 |
| S31 | 1168  | S30 (arm with (rotat\$4 or pivot\$4))                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:50 |

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| S32 | 767  | (robot\$2 adj arm)<br>((optional or adjust\$4)<br>with stop\$4)                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:54 |
| S33 | 2124 | (700/245).OCLS.                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/11/09<br>20:57 |
| S34 | 1058 | S33 stop\$4                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:57 |
| S35 | 639  | S34 arm                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:57 |
| S36 | 486  | S35 ang\$4                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>20:58 |
| S37 | 1401 | (robot\$2 arm).ti.                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>21:06 |
| S38 | 18   | ((ang\$4 or range) (limit<br>\$3 or restrict\$3)).ti.<br>robot                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/09<br>21:33 |
| S39 | 6    | ("4632632"   "4828094"<br>  "5193658"   "5771753"<br>  "5839322").PN. OR<br>("6065364").URPN.                                                       | US-PGPUB;<br>USPAT;<br>USOCR                       | AND | ON  | 2008/11/09<br>22:15 |
| S40 | 11   | ("2767681"   "4295555"<br>  "4313350"   "4317253"<br>  "4635502"   "4828094"<br>  "4892252"   "5335563"<br>  "5473961").PN. OR<br>("5771753").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                       | AND | ON  | 2008/11/09<br>22:15 |
| S42 | 9    | ("3954188"   "4514136"<br>  "4606667"   "4816955"<br>  "4934504").PN. OR<br>("5193658").URPN.                                                       | US-PGPUB;<br>USPAT;<br>USOCR                       | AND | ON  | 2008/11/09<br>22:36 |

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| S43 | 2    | (("4879499") or ("5816107")).PN.                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/11/09<br>22:48 |
| S44 | 5    | (("5836573") or ("5606842") or ("5586478") or ("4919047") or ("4755651")).PN.                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/11/09<br>22:50 |
| S46 | 1599 | ((rotary or rotation or angle) (limit\$3 or restrict \$3 or stop\$4)).ti.                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/10<br>07:20 |
| S47 | 241  | S46 arm                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/10<br>07:21 |
| S48 | 1    | ("4794814").PN.                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2008/11/10<br>07:39 |
| S49 | 24   | ("0533694"   "1899250"   "2780941"   "2858707"   "3012447"   "3147629"   "3203262"   "3546409"   "3578368"   "3896681"   "4110802"   "4183257"   "4444072").PN. OR ("4794814").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                       | AND | ON  | 2008/11/10<br>07:39 |
| S50 | 5    | ("3147629").URPN.                                                                                                                                                                    | USPAT                                              | AND | ON  | 2008/11/10<br>07:42 |
| S51 | 1    | ("3272031").URPN.                                                                                                                                                                    | USPAT                                              | AND | ON  | 2008/11/10<br>07:54 |
| S52 | 6    | ("3229052").URPN.                                                                                                                                                                    | USPAT                                              | AND | ON  | 2008/11/10<br>07:56 |
| S53 | 1    | ("2840651").URPN.                                                                                                                                                                    | USPAT                                              | AND | ON  | 2008/11/10<br>08:00 |
| S56 | 7694 | stop\$4.li. (rotary or rotation)                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2008/11/10<br>08:03 |

|     |      |                                                                      |                                        |     |     |                  |
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| S58 | 612  | S56 ((limit\$3 or restrict\$3) with (angle or range))                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON  | 2008/11/10 08:04 |
| S59 | 526  | S58 (optional or adjust\$4 or insert\$4 or select\$3 or selectively) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON  | 2008/11/10 08:05 |
| S61 | 1    | ("2840651").URPN.                                                    | USPAT                                  | AND | ON  | 2009/02/24 11:13 |
| S62 | 65   | (robot\$2 stop\$3).ti.                                               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON  | 2009/02/24 12:01 |
| S63 | 255  | (mechanical stop\$3).ti.                                             | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON  | 2009/02/24 12:14 |
| S64 | 2    | ("5895204").PN. OR ("6554567").URPN.                                 | US-PGPUB; USPAT; USOCR                 | AND | ON  | 2009/02/24 12:17 |
| S65 | 1    | ("20020115541").PN.                                                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR  | OFF | 2009/02/24 13:23 |
| S66 | 45   | (901/11).OCLS.                                                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR  | OFF | 2009/02/24 13:35 |
| S67 | 95   | (901/13).OCLS.                                                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR  | OFF | 2009/02/24 13:46 |
| S68 | 1056 | (16/374,375).OCLS.                                                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR  | OFF | 2009/02/24 15:13 |

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| S69 | 441  | S68 stop\$3                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2009/02/24<br>15:13 |
| S70 | 1755 | (robot\$2 or arm or angle or angular or rotat\$4).ti.<br>(stop\$4 with (optional or multiple or insert\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2009/02/25<br>10:32 |
| S71 | 359  | S70 (stop\$4 with (bolt or fasten\$3 or screw))                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2009/02/25<br>10:33 |
| S72 | 263  | (industrial adj robot)<br>(stop\$4 with (optional or multiple or plurality or insert\$4))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2009/02/25<br>10:55 |
| S73 | 1769 | (74/ 526).OCLS.                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2009/02/25<br>10:59 |
| S74 | 8    | S73 robot                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2009/02/25<br>10:59 |
| S75 | 1    | ("5839322").PN.                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2009/02/25<br>11:03 |
| S76 | 954  | (192/ 139).OCLS.                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR  | OFF | 2009/02/25<br>11:16 |
| S77 | 83   | S76 (stop\$4 with (multiple or plurality or insert\$4 or optional))                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | AND | ON  | 2009/02/25<br>11:17 |
| S78 | 11   | ("2436424"   "3171332"<br>  "3260376"   "3269737"<br>  "3372544").PN. OR<br>("3777618").URPN.               | US-PGPUB;<br>USPAT;<br>USOCR                       | AND | ON  | 2009/02/25<br>13:38 |

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| S79 | 55 | (US-20060224275-\$ or US-20050267635-\$ or US-20030059296-\$ or US-20020115541-\$).did. or (US-5839322-\$ or US-5193658-\$ or US-3954188-\$ or US-6065364-\$ or US-3662610-\$ or US-3405562-\$ or US-4816955-\$ or US-4514136-\$ or US-4828094-\$ or US-5771753-\$ or US-4191301-\$ or US-1170157-\$ or US-4718815-\$ or US-4671732-\$ or US-3870164-\$ or US-5768768-\$ or US-5548193-\$ or US-6186023-\$ or US-4293268-\$ or US-5515599-\$ or US-5473961-\$ or US-7235059-\$ or US-6616241-\$ or US-5827208-\$ or US-4794814-\$ or US-3896681-\$).did. or (US-3147629-\$ or US-4295555-\$ or US-6554567-\$ or US-4564331-\$ or US-4113115-\$ or US-3777618-\$ or US-4934504-\$).did. or (US-1170157-\$ or US-3147629-\$ or US-3272031-\$ or US-3229052-\$ or US-2840651-\$ or US-2863330-\$).did. or (EP-241556-\$ or EP-852172-\$).did. or (JP-2007185721-\$ or JP-10202574-\$ or JP-01301090-\$ or JP-04240089-\$ or JP-02232191-\$ or JP-01210289-\$ or JP-08252734-\$ or JP-03020114-\$ or JP-02071991-\$ or JP- | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2009/02/25<br>16:36 |
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